

SINCE 2009



SHREE SAI ENGINEERING COMPANY

ISO-9001-2015 CERTIFY COMPANY

Leaders in Process Machineries

MFG. OF MACHINERIES FOR

- PHARMACEUTICALS
- CHEMICAL / API
- FOOD
- COSMETIC
- BREWERIES
- PAINTS ETC.



The Name of Quality & Service

LEADING MANUFACTURER AND PROVIDER OF PHARMA MACHINERIES AND SPARES IN PHARMA INDUSTRY FROM LAST 15+ YEARS



Rapid Mixer Granulator is designed to achieve excellent mixing and consistent granules at lower operating cost along with higher productivity.

Better mixing and closed control of granule size leads to faster tableting speeds with improved quality and least rejections.

Dry mixing and Wet Granulating in the same bowl in only few minutes.

The entire operation including discharge is fully automatic. Bottom entry main mixing impeller imparts high shear forces to the mass, ensuring intense blends in extremely short process times.

Flat bottom profile, minimizes cavitations and dead zones. Flush discharge ensures maximum pass out of process material aiding the process without manual interventions. Suitable end point controls through. Torque/ Load on drive or special probes ease operation and achieve greater cGmp compliance.

Design as per stringent cGMP Model.

Contact parts of Stainless Steel SS 316.

Easy to install, operate, clean, convenient & user friendly.

Compact Table Top design.

Variable Speed Drive for main impeller motor.

Complete automatic advanced PLC Controls with touch Screen (Optional if required)

Capacities available in 25 ltrs to 10000 ltrs / batch



Rapid Mixer Granulator –

Table Top Model Bottom Drive High Shear Granulator System
The SSEC Pilot Scale High Shear Granulator and Mixer is designed for efficient and homogenous wet granulation of powders to form a medium to high density granule. It is mainly used in R&D or F&D facility for the wet mixing of the pilot batches. Basically it consists of a Bowl, Impeller & Chopper assembly. Its GMP-compliant design allows for easy cleaning and maintenance, faster processing times, and total user safety.

R & D model of 2 / 3 / 5 / 10 ltrs with interchangeable bowls available.

R & D model of 10 / 15 ltrs with interchangeable bowls available.

R & D model of 15 / 25 ltrs with interchangeable bowls available.

Features :

Total drive transmission system enclosed.

Air pressure switch installed to ensure pressure is in limit.

Safety switch fitted at Top Lid and the discharge flange to ensure closed.

High Shear Mixing, Homogenizing, Humidifying and Granulating process.

Offers reproducible mixing and granulation processes.

Design as per stringent cGMP Model.

Contact parts of Stainless Steel SS 316.

Easy to install, operate, clean, convenient & user friendly.

Compact Table Top design.

Variable Speed Drive for main impeller motor.

Complete automatic advanced PLC Controls with touch Screen (Optional if required)





Fluid Bed Dryer is Designed To Introduce The Hot Air Stream At The Base Of The Product Container, Which Is Filled With The Material. Induced Drought Is Created By Means Of Blower And Fresh Air Is Sucked In To The Unit. The Fresh Air Is Heated By Means Of Electrical Heaters Or Steam Or Thermic Fluid Heaters. This Hot air Stream Expands The Bed Of Material At Certain Velocity & Creating Turbulance In The Product. The Phenomenon Is Known As Fluidisation And Offer Conditions, Which Are Almost Ideal For Drying. Fluidisation Produces Full Agitation Of Solid Particles And Since Each Particle Gets Surrounded By Hot Air Heat Transfer Is Extremely High And Uniform. The Product Is Dried Fast Without Appreciable Loss Od Heat. Filter Bags Prevent Particles Escaping From The Dryer.

And Capacity Of **Fluid Bed Dryers** Offered By Us Is Available In The Range Of 30 To 500 Kg, With Steam Heating, Electrical Heating And Thermal Heating Facility. Electrically/Steam And Thermic Fluid Heated In Which General Structure Is Made Out Of Mild Steel And Painted In Standard Model. Made Out Of S.S.304 Quality Material And Polished To The Matt Finished In GMP Model. The Contact Parts Such As Product Container And Retarding Chamber Are Made Out Of S.S.304/5.S.316 Quality Material, Provided With Non-flammable Blower Motor, (Flame-proof Motor Provided On Demand) Suitable To Dry Wet Material. Depending On The Product.

TECHNICAL DETAILS

| MODEL | SSECFBD 30 | SSECFBD 60 | SSECFBD 120 | SSECFBD 200 | SSECFBD 250 | SSECFBD 300 | SSECFBD 500 |
|--|------------|------------|-------------|-------------|-------------|-------------|-------------|
| Capacity Of Dryer In Kgs At 0.6 Kg / Lt Bulk Density | 30-50 | 50-70 | 120-150 | 200-220 | 250-270 | 300-320 | 500-550 |
| Working Capacity Of Product Container In Liters | 50 | 100 | 200 | 335 | 420 | 510 | 620 |
| Total Volume Of Product Container In Ltrs | 100 | 200 | 400 | 580 | 760 | 960 | 1200 |
| Blower Motor h.p. | 7.5 H.P. | 10 H.P. | 15 H.P. | 20 H.P. | 25 H.P. | 30 H.P. | 50 H.P. |
| Heater Load | 18 K.W. | 36 K.W. | 60 K.W. | ----- | ----- | ----- | ----- |
| Steam Consumption | 25 KGS | 55 KGS | 110 KGS | 130 KGS | 130 KGS | 130 KGS | 150 KGS |
| Length | 1550 | 1550 | 2480 | 2500 | 2700 | 2700 | 2700 |
| Width | 900 | 1200 | 1400 | 2150 | 1900 | 1900 | 1900 |
| Height With Motor | 2150 | 2650 | 2950 | 3400 | 3500 | 3500 | 3500 |



VIBRO SHIFTER Is A Set Of Highly Efficient Circulatory Screening Machines, Which Is Used For Screening Of Solids Or Liquids In A Number Of Industries. These Machines Are Useful In Grading Of Material According To Their Particle Size And Are Used Separating Mass Composition Of Solid And Liquid. Vibro Shifter Is Installed With Specially Designed Motor, Which Is Mounted Vertically At The Centre Of The Base Plate Of The Screen. The Screen Is Fitted Between The Feeding Hopper And The Container. The Particle Is Fed Through The Screen. The Smaller Particles Of Uniform Sizes At The Screen Pass To Periphery. On The Other Hand, Over Sized Particles Get Discharged.

Features

- Design As Per Stringent Cgmp Requirements.
- Power Full Vibration.
- Side Outlet Fines Discharge.
- Easy Movable. Easy To Clean.
- All Contact Parts S.S 316/S.S 304 / M.S Quality.
- Special Vibro Motor.
- Noiseless Machine. Depending On The Product.

TECHNICAL DETAILS

| Model | Drive Motor | Screen Diameter | output |
|----------|-------------|-----------------|-----------------------|
| SSEC 12" | 0.75 Hp | 305 mm | 12" up to 100 kgs/hr |
| SSEC 24" | 0.5 Hp | 610 mm | 24" up to 225 kgs/hr |
| SSEC 30" | 0.5 Hp | 760 mm | 30" up to 300 kgs/hr |
| SSEC 36" | 1 Hp | 915 mm | 36" up to 400 kgs/hr |
| SSEC 48" | 2 Hp | 1220 mm | 48" up to 550 kgs/hr |
| SSEC 60" | 3 Hp | 1525 mm | 60" up to 800 kgs/hr |
| SSEC 72" | 5 Hp | 1830 mm | 72" up to 1150 kgs/hr |



Multi Mill machine are

Direction Of Beaters Can Be Changed By Reversible Switch From Knife To Impact Forward And Vice-versa.

Cylindrical Screen For Higher Output. All Contact Parts Can Be Easily And Quickly Dismantled And Cleaned.

S.S. 316 Contact Parts Except Beaters And Scraper Blades.

S.S.401 Beaters And Scraper Blades (Hardened & Hard Chrome Plated). Castors With Breaks Provided For Easy Mobility. Depending On The Product.



TECHNICAL DETAILS

| Model | SSEC 1 HP | SSEC 2 HP | SSEC 3 HP | SSEC 5 HP | SSEC 7.5 HP |
|-------------------------|---|---|---|---|---|
| Output(kg/hr) | 10 to 50 | 20 to 100 | 50 to 200 | 100 to 350 | 200 to 500 |
| Rotor speed(rpm) | 750/1500/2300/3000 | 750/1500/2300/3000 | 750/1500/2300/3000 | 750/1500/2300/3000 | 750/1500/2300/3000 |
| Beaters | 12 nos, with knife and impact edge & 2scraper blades. | 12 nos, with knife and impact edge & 2scraper blades. | 12 nos, with knife and impact edge & 2scraper blades. | 12 nos, with knife and impact edge & 2scraper blades. | 12 nos, with knife and impact edge & 2scraper blades. |
| Charging height (MM) | 125 | 125 | 150 | 200 | 250 |
| Discharging height (MM) | 500 | 500 | 800 | 800 | 100 |
| Electrical motor | 1 hp, 3phase AC | 2 hp, 3phase AC | 3 hp, 3phase AC | 5 hp, 3phase AC | 7.5 hp, 3phase AC |



Pellets/Tablets Are Continuously Fed Into A Coating Drum At A Controlled Rate. A High Volume Of Process Air Heats The Tablets At The Time Of Entering And Moving In The Drum. Coating Solution Is Applied Through A Series Of Spray Guns As The Product Moves Down The Length Of The Coating Drum. The Tablets Are Homogeneously Mixed For A Uniform Coating/Weight Gain. Shallow Bed Depth Of The Pan Allows The Tablet/Pellets To Pass Through The Spraying Zone And Finally Discharged From The Exhaust End Of The Coating Drum And Transported Through A Conveyor Belt For Collection, Storage, Inspection And Packaging. These Machines Ensure Consistent Exterior Coating.

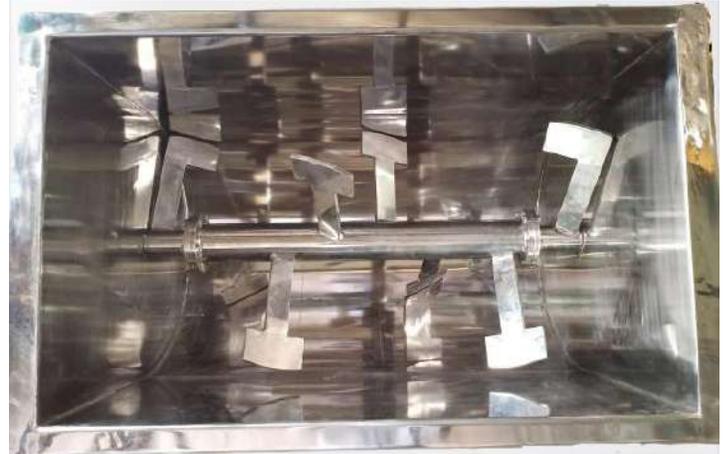


TECHNICAL DETAILS

| MODEL NO. | SSEC-12 | SSEC-20 | SSEC-24 | SSEC-30 | SSEC-36 | SSEC-48 | SSEC-60 | SSEC-72 |
|--|---------|---------|---------|----------|----------|------------|------------|------------|
| Pan Dia. In inch. | 12 | 20 | 24 | 30 | 36 | 48 | 60 | 72 |
| Loading capacity | 5 KG | 10 KG | 25 KG | 40-60 KG | 60-80 KG | 100-120 KG | 150-200 KG | 200-250 KG |
| Drive Motor HP 3 PH 50 HZ 415 V AC line | 0.50 | 0.50 | 0.50 | 1.00 | 1.00 | 2.00 | 5.00 | 7.50 |
| RPM of Pan (empty) | 24/72 | 24/72 | 24/72 | 12/36 | 12 / 36 | 10/30 | 8/24 | 5/10 |
| Hot air blower motor HP | 0.25 | 0.25 | 0.25 | 0.50 | 0.50 | 1.00 | 1.00 | 1.00 |
| Blower capacity Maximum CFM | 100 | 100 | 100 | 200 | 200 | 500 | 750 | 750 |
| Heater K.W | 1.0 K.W | 1.0 K.W | 1.5 K.W | 3.0 K.W | 3.0 K.W | 4.5.K.W | 6.0 K.W | 6.0 K.W |

Features

The Standard Pan Is Elliptical In Shape, Mounted At 30° Angle. Pans In Other Geometrical Shapes And Mounting Angles, As Per Requirement, Are Also Manufactured. Rpm Of The Pan Is Variable. Hot Air Blower, Thermostat Controlled To Deliver Required Quantity Of Air At Selected Temperatures Between 40° C To 80° C Is Provided. Other Models Available With: Tilting Mechanism To Adjust Angle Of Pan. Polishing Pan With Canvas Lining With Quick And Easy Mounting On To Drive Hub. Depending On The Product



Features

Range Of Models To Suit Working Volume 50,100 & 200 Kgs. At Bulk Density Of 0.50 Gms/Cc.

Compact Design Requires Comparatively Smaller Floor Space.

Single Stirrer With Single Speed For Dry & Wet Mixing.

Thrust Bearing Are Provided To Carry Out Rigid Thrust Load. Specially Design All Moving Parts Provided With Provision Of Easy Lubrication.

Optional Features

Ss316 Product Contact Parts Instead Of Ss304. Variable Speed Drive Or Double Speed Of Stirrer Provided On Extra Cost, If Required. Flameproof Model .

Depending On The Product.

TECHNICAL DETAILS

| MODEL | Capacity | Over flow Capacity | Working Capacity | Stirrer Speed | Electric Power |
|-------------|----------|--------------------|------------------|---------------|----------------|
| SSECRBI 50 | 50 Kg. | 110 ltr. | 88 ltr. | 35 rpm | 3 hp |
| SSECRBI 100 | 100 Kg. | 220 ltr. | 156 ltr. | 35 rpm | 5 hp |
| SSECRBI 150 | 150 Kg. | 330 ltr. | 234 ltr. | 30 rpm | 7.5 hp |
| SSECRBI 200 | 200 Kg. | 440 ltr. | 309 ltr. | 30 rpm | 7.5 hp |
| SSECRBI 250 | 250 Kg. | 600 ltr. | 510 ltr. | 30 rpm | 10 hp |
| SSECRBI 300 | 300 Kg. | 750 ltr. | 610 ltr. | 30 rpm | 10 hp |
| SSECRBI 500 | 500 Kg. | 1100 ltr. | 1000 ltr. | 30 rpm | 15 hp |



Ribbon Blender Manufactured And Supplied By Us Comprises A U-shaped Horizontal Trough And A Specially Designed Double Helical Ribbon Agitator Rotating Within. Ribbon Blenders Are Based On A Proven Agitator Construction That Provides A Triple Mixing Action Ensuring Fast, Efficient Blending. The Dimensions And Configuration Of The Ribbons Are Carefully Balanced To Provide A Movement Of Material Within The Container That Avoids Dead Spots And Gives Rapid Product Discharge. An Alternate Design Is The Paddle Agitator. The Paddles Are Positioned To Move The Material In Opposing Lateral Directions As Well As Radially. Paddle Design Is Generally Employed Where Friable Material Are Being Blended, And When Batches As Small As 15% Of The Total Capacity Are Going To Be Mixed In The Blender. Depending On The Product.



TECHNICAL DETAILS

| Model kgs | Gross Volume ltr | Working Volume ltr | Output Speed R.P.M. | Motor H.P. | Discharge valve | Overall Dimensions | | |
|--------------|---------------------|-----------------------|---------------------------|---------------|--------------------|--------------------|-------------|--------------|
| | | | | | | Length mm | Width mm | Height mm |
| SSECRBI 5 | 17 | 10 | 18-20 | 0.5 | NO | 500 | 300 | 500 |
| SSECRBI 10 | 28 | 20 | 18-20 | 0.5 | NO | 600 | 350 | 600 |
| SSECRBI 25 | 80 | 50 | 18-20 | 1 | NO | 800 | 450 | 800 |
| SSECRBI 50 | 130 | 100 | 18-20 | 1.5 | 3" | 1200 | 700 | 1200 |
| SSECRBI 100 | 290 | 200 | 18-20 | 3 | 4" | 1600 | 700 | 1200 |
| SSECRBI 200 | 380 | 400 | 18-20 | 5 | 4" | 1600 | 800 | 1300 |
| SSECRBI 250 | 320 | 500 | 18-20 | 7.5 | 5" | 2400 | 800 | 1300 |
| SSECRBI 300 | 350 | 600 | 18-20 | 7.5 | 6" | 2600 | 900 | 1500 |
| SSECRBI 500 | 1300 | 1000 | 18-20 | 10 | 6" | 2600 | 1100 | 1600 |
| SSECRBI 750 | 1900 | 1500 | 18-20 | 10 | 10" | 2800 | 1100 | 1600 |
| SSECRBI 1000 | 2500 | 2000 | 18-20 | 15 | 12" | 3000 | 1300 | 1800 |
| SSECRBI 2000 | 4800 | 4000 | 18-20 | 20 | 12" | 3800 | 1500 | 2000 |
| SSECRBI 3000 | 7000 | 6000 | 18-20 | 25 | 12" | 4500 | 1800 | 2200 |



Double Con Blender

All Moving Parts Covered With SS304 Covers.

Safety Guards Made From Ss304 Pipes Provided In Front Of The M/C With Limit Switch.

Panel Fabricated From Ss304 Material With Facility Of Three Phase Indication, D.O.L. Tarter, Digital Timer & Amp Meter. As Per Customer Requirement Machine Will Be Provided With Left Side Drive Or With Right Side Drive .

The Conical Shape At Both Ends Enables Uniform Mixing And Easy Discharge .

All Contact Parts Are Made Out Of SS304/316(as Per Customer Requirement) Quality Material.

Maximum Care Has Been Taken To Ensure Safe Operation Of The Unit. (All Safety Guards & Covers Made Out Of SS304 In GMP Model As Required By You)In GMP Model.

The Conical Shape Of Both Ends Enables Uniform Mixing And Easy Discharge. Depending On The Product.



TECHNICAL DETAILS

| Model kgs | Gross Volume ltr | Working Volume ltr | Output speed | Motor H.P. | Discharge valve | Overall Dimensions | | |
|--------------|---------------------|-----------------------|-----------------|---------------|--------------------|--------------------|-------------|--------------|
| | | | | | | Length mm | Width mm | Height mm |
| SSECRBI 10 | 28 | 20 | 35 | 0.5 | 1-1/5 | 600 | 350 | 900 |
| SSECRBI 25 | 80 | 50 | 35 | 1 | 2" | 800 | 450 | 900 |
| SSECRBI 50 | 130 | 100 | 35 | 1.5 | 3" | 1200 | 700 | 1100 |
| SSECRBI 100 | 290 | 200 | 35 | 3 | 4" | 1600 | 700 | 1800 |
| SSECRBI 200 | 380 | 400 | 35 | 5 | 4" | 1600 | 800 | 1500 |
| SSECRBI 250 | 320 | 500 | 35 | 7.5 | 5" | 2400 | 800 | 1800 |
| SSECRBI 300 | 350 | 600 | 35 | 7.5 | 5" | 2600 | 900 | 1800 |
| SSECRBI 500 | 1300 | 1000 | 30 | 10 | 6" | 2600 | 1100 | 2000 |
| SSECRBI 1000 | 2500 | 2000 | 30 | 15 | 12" | 3000 | 1300 | 2500 |
| SSECRBI 2000 | 4800 | 4000 | 30 | 20 | 12" | 3800 | 1500 | 3500 |



Octagonal Blender

Suitable For Dry Mixing Of Products In Granule Form Easy For Loading And Unloading Of Material Easy For Cleaning.

All Contact Parts Are Made Out Of S.S 304/S.S 316 Or S.S 316 L Quality Material, As Per Customer Requirement.

The Octagonal Shape & Slow Speed Of Rotating Gives Sufficient Continuous Movement To The Granules, Result In Good Quality.

Simple Design Requires Minimum Maintenance. General Structure & Safety Guards Made Out Of Mild Steel & Coloured In Standard.

Model And Made Out Of S.S 304 & Polished To The Matt Finish In Gmp Model .

Maximum Care Has Been Taken To Ensure Safe Operation Of The Unit.

Manual Rotating Facility With Hand Wheel For Inching.

Bigger Size Batch At Low Power Consumption.

Depending On The Product.

TECHNICAL DETAILS

| Capacity in kgs | Capacity in ltr | Gross Volume | Motor | Discharge valve | Overall Dimension L X W X H |
|-----------------|-----------------|--------------|-------|-----------------|--------------------------------|
| SSEC50 | 100 | 110 | 2 | 2" | 700 X 600 X 1300 |
| SSEC100 | 200 | 220 | 3 | 4" | 1200 X 900 X 1500 |
| SSEC150 | 300 | 340 | 3 | 4" | 1300 X 1000 X 1700 |
| SSEC200 | 400 | 450 | 5 | 5" | 1500 X 1400 X 1900 |
| SSEC250 | 500 | 600 | 5 | 5" | 2300 X 1500 X 1900 |
| SSEC300 | 600 | 650 | 7.5 | 6" | 2700 X 2100 X 3050 |
| SSEC500 | 1000 | 1250 | 7.5 | 6" | 2850 X 2525 X 3120 |



Tray Dryer Are Made Of Trays Held In A Cabinet Which Is Connected To A Source Of Air Heated By Gas, Diesel Or Electric. The Air Temperature Is Usually Controlled By A Thermostat Which Is Normally Set Between 50 And 550C. The Air Enters The Bottom Of The Chamber Below The Trays And Then Rises, Through The Trays Of Food Being Dried, And Exits From An Opening In The Top Of The Chamber. In The Practical Action Systems The Trays Are Designed To Force The Air To Follow A Longer Zigzag Route Which Increases The Air / Food Contact Time And Thus Improve Its Efficiency.
Depending On The Product.

TECHNICAL DETAILS

| MODEL | SSECTD -24 | SSECTD - 48 | SSECTD - 96 | SSECTD - 196 |
|-------------------|----------------------|----------------------|---------------------------|---------------------------|
| No. of Trays | 24 | 48 | 96 | 196 |
| Capacity(Itr) | 120 | 240 | 480 | 980 |
| Try Size (inches) | 16X32X1.25 | 16X32X1.25 | 16X32X1.25 | 16X32X1.25 |
| Fan Motor | 0.5 hp, 3phase,AC | 1.5 hp, 3phase,AC | 1 hp,3phase, AC -2 nos | 1 hp,3phase, AC -4 nos |



The Tilting Paste Kettle, Is Designed For Paste Preparation. It Has A Universal Application Resulting In Uniform Melting. This Tank Is Designed To Meet Missing Needs Of Wider Range Of Products Under Varied Operating Conditions In Chemicals, Foods, Cosmetics And Pharmaceutical Industry. The Basic Principle Utilized In The Design Of This Kettle Is The Jacket For Passing Steam In Order To Melt Down The Product To Make Paste. This Kettle Has An Unique Tilting Arrangement For Discharging The Product.

Features

- Cgmp Construction With Aisi 316q Contact Parts.
- Hemispherical Bowl With Either Steam, Electrical Or Oil Heating Options.
- Options Available For With / Without Agitator.
- Tilting Provided For Ease In Unloading Of Final Products.
- Higher Capacity Models Available Without Tilting But With Bottom Outlet.
- Capacities Available From 25 Ltrs. To 1500 Ltrs. Depending On The Product.

TECHNICAL DETAILS

| Capacity in kgs | Capacity in ltr | Gross Volume | Motor | Discharge valve | Overall Dimension L X W X H |
|-----------------|-----------------|--------------|-------|-----------------|--------------------------------|
| SSEC50 | 100 | 110 | 2 | 2" | 700 X 600 X 1300 |
| SSEC100 | 200 | 220 | 3 | 2" | 1200 X 900 X 1500 |
| SSEC150 | 300 | 340 | 3 | 2" | 1300 X 1000 X 1700 |
| SSEC200 | 400 | 450 | 5 | 2" | 1500 X 1400 X 1900 |
| SSEC250 | 500 | 600 | 5 | 2" | 2300 X 1500 X 1900 |
| SSEC300 | 600 | 650 | 7.5 | 2" | 2700 X 2100 X 3050 |
| SSEC500 | 1000 | 1250 | 7.5 | 2" | 2850 X 2525 X 3120 |



It is an equipment operated hydraulically or mechanically for lifting and tipping FBD Bowl loaded with dried granules. Content of the Bowl is transferred smoothly to granulating equipment and through it to a BIN or on IPC container. It provides completely dust free operation and eliminates tedious scooping or manual handling. The process consists of bringing the FBD Bowl beneath the Tipper. The inverted cone of the Tipper is lowered so that the brim flange of the bowl touches the brim flange of the inverted cone. Both are then clamped together with quick fixing clamps. The whole assembly is raised hydraulically to the required height and then rotated mechanically to 180 degree on Ms axis and lowered to a suitable height to align with the receiving container / equipment. The discharge point cone is fitted with an Iris / Butterfly valve by operating which the contents are discharged to Multi Mill or a sifter cum Multi Mill as per the process requirement. The flanged cone and the valve is of S.S.316 /304 material, as required. The bottom and the complete drives are covered with highly polished S.S.304 sheets to impart a cGMP finish.



ELEVATOR POSITIONING LIFTING DEVICE



The Lifting & Positioning Unit / IPC Bin loader is used for transferring and discharging the material dust free and without human touch in pharmaceutical industries for Load powder in to hopper of Tablet Compression Machine. It consists of a main frame, Bin fixing arm, Hydraulic lifting device and pivot base. This main frame moves 360 degree on axis and Bin fixing arm moves upward and downward in the frame by hydraulic cylinder and power pack system. The moveable container/bin bringing placed beneath the fixing arm, operate the hydraulic drive system which lifts arm with the container and it raises the container till it gets stops exactly in a position, slew the column to swivel the bin over inlet of the next processing equipment, then it could be unload by opening of butterfly on the whatever next processing equipment.



Zero Hold Up Filter Press

The Cartridge Assembly Consists Of Plates, Perforated Screens, Spacers And Fitter Media. Interlocking Spacers Internally Form Single Pipeline. The Unfiltered Liquid Is Centrally Fed Under Pressure From Bottom Inlet. The Liquids Spreads Out Equally On Each Plate Fitted With Filter Media. Solids Remain On Filter Media And Clear. Filtrate Flows Through Precisely Made Holes On Sides Of Plates And Collects In The Shell, Which Then Comes Out Through The Outlet. In This Process, Solids Are Evenly Distributed On Each Plate. The Cake Is Then Cleaned From The Filter Material And Used Again For Filtration Process.

Single Pass Filtration With No Solid Bypass

Full Batch Recovery, No Separate Scavenging System Needed.

Proper Sealing Which Allows The Filtration Of Volatile, Toxic And Inflammable Products.

Plate Pack Arrangement Ensures :

Any Type Of Filtering Media Singularly Or In Combination, Can Be Used To Achieve Required Micron Efficiency.

Easy Removal And Cleaning Of The Cartridge Assembly.

Closed System Ensures :

Filtration Of Toxic, Hazardous, Explosive Materials. Efficiently Cleaned And Sterilized.

Central Feeding Ensures :

No Solid Inside The Vessel, Complete Recovery Of Liquids. Cake Solids Can Be Maximum Dried With N₂

Complete Cake Retains Over The Plate. Uniform Filter-aid Bed Can Be Formed. Reduces The Cost Of Expensive Solvents. Depending On The Product.

TECHNICAL DETAILS

| Model | Diameter of Plate | No. of Plates | Filtering Area M ² | Cake Holding Capacity Ltrs. | Capacity Ltr / Hr |
|----------|-------------------|---------------|-------------------------------|-----------------------------|-------------------|
| SSEC86 | 8" | 6 | 0.198 | 4.50 | 400 |
| SSEC88 | 8" | 8 | 0.254 | 5.78 | 500 |
| SSEC148 | 14" | 8 | 0.756 | 27.00 | 1500 |
| SSEC1410 | 14" | 10 | 0.924 | 35.00 | 1800 |
| SSEC188 | 18" D | 8 | 1.270 | 51.00 | 2500 |
| SSEC1815 | 18" S | 15 | 2.270 | 44.00 | 4500 |
| SSEC1812 | 18" D | 12 | 1.840 | 78.00 | 3700 |
| SSEC1823 | 18" S | 23 | 3.400 | 65.00 | 6800 |
| SSEC2412 | 24" D | 12 | 3.430 | 148.00 | 6700 |
| SSEC2423 | 24" S | 23 | 6.336 | 120.00 | 12600 |
| SSEC337 | 33" D | 7 | 4.000 | 175.00 | 8000 |
| SSEC3314 | 33" S | 14 | 7.500 | 210.00 | 15000 |



Horizontal Plate Filter Press

The Unfiltered Liquid Is Fed Into The Filter Under Positive Pressure, Where Liquid Travels In Downwards Direction And Finds Its Way Through Opening On Sides Of The Filter Plates. As The Liquid Pressure Increases, The Filter Media Holds The Foreign Particles And Allows Only Clear Filtrate To Pass Through The Central Channel Formed By Interlocking Pressure Cups To The Outlet. Filtration Is Continued Until The Cake Holding Capacity Of The Unit Is Reached Or Until The Filtrate Rate Becomes Too Slow Owing To Cake Resistance. Depending On The Product.

Features

Horizontal Plate Filter Press Is Enclosed Construction, Preventing Evaporation, Oxidation, Leakage And Fumes Escaping From Product.

Filter Plates Are Available In Two Sizes. Deep Plate For Large Percentage Of Cake Holding Capacity And Shallow Plate For Small Percentage Of Cake Holding Capacity.

The Horizontal Filter Plate And Even Thickness Of Cake, Prevents The Cake Dropping As Well As Cracking, Thus Assuring Better Filtrate Quality.

The Filtration Area And Cake Holding Capacity Can Be Increased Or Decreased According To Requirement.



TECHNICAL DETAILS

| Model | Diameter of Plate | No. of Plates | Filtering Area M2 | Cake Holding Capacity Ltrs. | Capacity Ltr / Hr |
|----------|-------------------|---------------|-------------------|-----------------------------|-------------------|
| SSEC86 | 8" | 6 | 0.198 | 4.50 | 400 |
| SSEC88 | 8" | 8 | 0.254 | 5.78 | 500 |
| SSEC148 | 14" | 8 | 0.756 | 27.00 | 1500 |
| SSEC1410 | 14" | 10 | 0.924 | 35.00 | 1800 |
| SSEC188 | 18" D | 8 | 1.270 | 51.00 | 2500 |
| SSEC1815 | 18" S | 15 | 2.270 | 44.00 | 4500 |
| SSEC1812 | 18" D | 12 | 1.840 | 78.00 | 3700 |
| SSEC1823 | 18" S | 23 | 3.400 | 65.00 | 6800 |
| SSEC2412 | 24" D | 12 | 3.430 | 148.00 | 6700 |
| SSEC2423 | 24" S | 23 | 6.336 | 120.00 | 12600 |
| SSEC337 | 33" D | 7 | 4.000 | 175.00 | 8000 |
| SSEC3314 | 33" S | 14 | 7.500 | 210.00 | 15000 |



Shree Sai Engineering Company Have Been Supplying Stainless Steel Tanks And Process Equipment To The Brewing, Beverage, Food, Waste, Pharmaceutical And Chemical Industries. We Also Supply Mild Steel Tanks.

We Handle The Increasing Demand For High Quality Stainless Steel Storage And Process Vessels From A Wide Range Of Industries – Each With Its Own Requirements. Depending On The Product. Also Available In 50 Ltr 50000 & Above. Depending On The Product.





Clients Are Also Provided With Optimum Quality Jacketed Tanks That Can Also Be Availed By Them In Customised Sizes And Specifications. These Tanks Are Specially Designed To The Cater To The Requirements Of Various Industries. Known For Their International Standards, These Jacketed Tanks Find Widespread Utilisation In Various Industrial Applications Some Of The Other Details Of Our Products Are As Follows: Ava Le In The Range Of 100 Litre To 10000 Litre Capacities M.S./S.S Jacketed &Ins On With Ss Cladding Direct Top Mounted Stirrer With Top Dish/Without Bottom Dish Different Type Of Stirrer I.E. Propeller/Pedal/Anchor Available Electrical Heating Also Available For Small Vessel Moc S.S 304/316 Bottom Discharge Provided Also Available In 50 Ltr 50000 & Above. Depending On The Product.





Mixing Vessels Are Designed And Crafted To Handle The Unique Demands Of A Variety Of Products. We Offer Several Types Of Impellers Including Completely Customized Designs To Suit Very Unique Applications And Mixing Solutions. We Will Engineer And Design To Your Specifications And Analyze Your Process To Mix Your Liquid Products More Rapidly And Accurately. Contact Our Responsive Team Today To Learn More About How We Can Meet Your Specific Needs. Also Available In 50 Ltr 50000 & Above. Depending On The Product.





We Hold Expertise In Providing Pressure Vessels That Are Manufactured Using Quality Material Stainless Steel As Per The Latest Technology. Mirrored Polished From Inside& Outside, These Vessels Are Also Provided With Ring Cover Wing Nut And Silicon Gasket. Apart From This, Bent Outer Nozzle Is Also Fitted With Stainless Steel Pipe In Order To Carry Out All The Fluid From The Vessel. Mounted On Stainless Steel Trolley, These Vessels Are Also Fitted With One Safety Valve& Two Falling Handles. To Give Smooth Finish, All The Welding Work In These Machines Is Done By Argon Arc S.S 304.316 Quality. Moreover, Our Clients Can Also Avail From These Vessels In Different Capacities Such As 100 Itr, 10000 Itr & Above. Depending On The Product.





Float Tank Capacity Clients Are Also Provided With Optimum Quality That Can Also Be Availed By Them In Customised Sizes And Specifications. These Tanks Are Specially Designed To The Cater The Requirements Of Various Industries. Known For Their International Standards, These Find Widespread Utilisation In Various Industrial Applications Some Of The Other Details Of Our Products Are As Follows: Ava Le In The Range Capacities M.S./S.S Jacketed &Ins On With Ss Cladding Direct Top Mounted Stirrer With Top Dish/Without Bottom Dish Different Type Of Stirrer I.E. Propeller/Pedal/Anchor Available Electrical Heating Also Available For Small Vessel Moc S.S 304/316 Bottom Discharge Provided Also Available In 100 Ltr 10000 & Above. Depending On The Product.



TF 25T



TF 40T



TF 90T

| | | | |
|---|--|---|--|
| Output | : Upto 25,000 Capsules/ hour for power filling : Upto 23,000 Capsules/ hour for pellet filling : Upto 13,000 Capsules/ Tablet filling (Single tablet) | : Upto 40,000 Capsules/ hour for power filling : Upto 35,000 Capsules/ hour for pellet filling | : Upto 90,000 Capsules/ hour for power filling : Upto 80,000 Capsules/ hour for pellet filling : Upto 50,000 Capsules/ Tablet filling (Single tablet) |
| Electric Supply | : 415V, 3 Phase +N +E, 50 Hz, A.C. | : 415V, 3 Phase +N +E, 50 Hz, A.C. | : 415V, 3 Phase +N +E, 50 Hz, A.C. |
| Main Motor | : 1.1kW(1.5 HP) at 750 rpm. | : 1.1kW variable speed | : 1.1kW(2 HP) at 1440 rpm. |
| Power Feed Motor | | : 0.18kW | |
| Vacuum Required (Capsule Separation) | : 575 LPM at 18° of mercury | : 1100 LPM at 26° of mercury | : 1100 LPM at 26° of mercury |
| Vacuum Required (Cleaning) | : 2800 LPM at 4° of mercury | : 2800 LPM at 4° of mercury | : 2800 LPM at 4° of mercury |
| Compressed Air | : 140 LMP at 6kg/cm ² | : 200 LMP at 5-7kg/cm ² | : 300 LMP at 6kg/cm ² |
| Connected Load | : 1.5kW (2HP) approx. form machine only | | : 2.0kW (3HP) approx. form machine only |
| Connected Load | : 7.5kW (10 HP) approx. form machine with vacuum pump, air compressor & ADU | | : 8.0kW (11 HP) approx. form machine with vacuum pump, air compressor & ADU |
| Dimensions (L x W x H) | : 1210mm x 955mm x 1900 mm | : 1210mm x 955mm x 1900 mm | : 1650mm x 1290mm x 2050 mm |
| Gross Weight | : 1000 kgs | : 1100 kgs | : 2350 kgs |
| Shipping Dimension (L x W x H) | : 1500mm x 1200mm x 2200 mm | : 1600mm x 1400mm x 2100 mm | : 2140mm x 1600mm x 2200 mm |
| Shipping Weight | : 1200 kgs Approx | : 1300 kgs Approx | : 2550 kgs Approx |



Semi Automatic Capsule Filling Machine



Empty Capsule Sorter



De Dusting Polister



Capsule Elevater



40T Automatic Capsule Filling Machine



Checkweigher



Capsule Machine Change Parts



Dust Collector - 100 CFM



Dust Collector - 230 CFM



Tablet Capsule Sorter



Capsule Machine Change Parts



The Complete Solution of Blister Pack Machine's Change Parts & Spares



UNIVERSAL BATCH CODE PRINTING UNIT ASSEMBLY

We manufacture universal Batch Code Printing Units for Blister Packing Machine.

FEATURES :

Widely used in various pharmaceutical and packaging industries. Made by using quality grade raw material Comprises of various features like easy installation, optimum quality, reliable performance and longer service life are some of the other important attributes of this unit. Can be custom made in various shapes and capacities as per specific requirements.

BLISTER / STRIP CARTRIDGES

FEATURES :

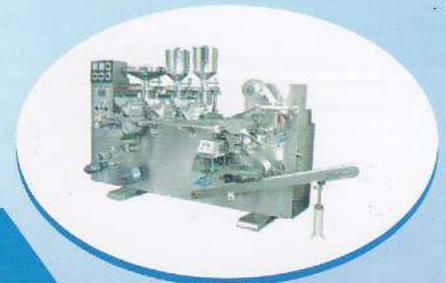
The aluminum body cartridges (Pharma roller) are made for Blister packaging machine, FFS machines & Coding machines. The absorbing material used is POLY POROUS in various microns varying from 1 micron to 25 micron depending on requirement of customers. The absorbing capacity of this cartridge is quite high & the cartridges are hard so the impression is very precise with more clarity. Special ring treated cotton cloth knitted sleeves (covering) are used to avoid direct contact of stereo with roller. These ink cartridges are customized in size & design as per the requirement & specification of the machines. The outer diameter (OD) can be to a maximum size of 75 mm & the inner diameter can be of sizes as per machine fitting, & the length is variable till 400 mm.

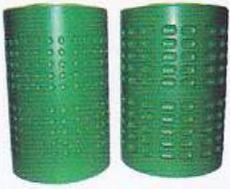


INKING FELT TUBES & PADS

FEATURES :

The Felt tubes are made from VIRGIN Australian wool of various densities from 0.35 to 0.60 depending on the requirement of customers. The Tubes / Cartridge of other sizes can also be manufactured against order. Side Rings can be provided to Felt Tubes as per requirements. We also manufacture Felt Pads & tips in various thicknesses as per customer design.

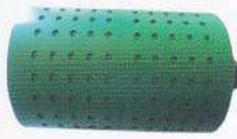




Blister Forming Roller



Forming Heater Roller



Blister Forming Roller



Forming Heater Plates



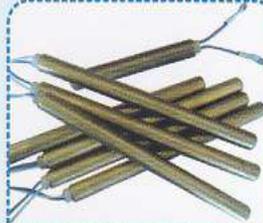
Feeding Inset



Feeding Rubber Roller



Aluminum Stereo Drum



Cartridge Heater



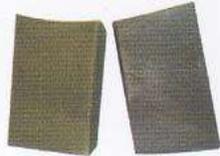
Terminal Rings for
Heater Roller



Slip Ring



Carbon Brushes for
Feeder Motor



Carbon Brushes



Slip Ring Holder



Upper Sealing Plate



Lower Sealing Plate



Sealing Heater Roller



Feeder Motor



Gears



Punching Tool
Assembly



Punching Tool
Die & Plate



Perforation Blades



Photo Cell Sensor



PT 100 Sensor



Punching Tool Shaft
& Stud



PTFE (Teflon) Capsule
Polishing Mesh



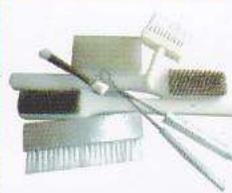
Vibro Sifter Spring



Springs



Sliding Bush Bearing



Cleaning Brushes



Feeding Channel &
Guide Track



S.S. MULTIPURPOSE TROLLEY



S.S. VIAL / AMPOULE BOX



S.S. CAGE TROLLEY



S.S. TROLLEY FOR STD WEIGHT / STORAGE



S.S. CONTAINER (5LTR - 500LTR)



S.S. STEP OVER BENCH WITH SHOE RACK



S.S. KEY BOX



S.S. SIEVES TROLLEY



S.S. HELMET STAND



S.S. CHEMIST TABLE



S.S. STERILE CABINET WITH UV LIGHT



S.S. SIEVES FOR SIFTER / MULTIMILL / CADMILL



S.S. CROSS OVER BENCH 'L' TYPE & 'C' TYPE



SS INPROCESS CONTAINER



S.S. TROLLEY FOR HAND DISINFECTANT / HAND GLOVES / MASK / ROLLER



S.S. STERILLUM STAND



S.S. STEP LADDER



S.S. PERFORATED / PLAIN TABLE



S.S. PASS BOX



S.S. DRAIN TRAP (SINGLE / DOUBLE SEAL)



S.S. PALLET



S.S. PADDLE / TILTING DUSTBIN



S.S. FIX / REV STOOL / CHAIR



S.S. ANTIVIBRATION TABLE



S.S. STEP LADDER



S.S. POWDER SAMPER



S.S. TRAY



S.S. SPOON / MEASURING JAR / SCOOPS



S.S. CABINET FOR FBD BAGS STORAGE



S.S. STREET SHOE RACK



S.S. PERSONAL LOCKER WITH SHOE RACK



S.S. CABINET FOR II CHANGE ROOM



S.S. LOCKER FOR KEEPING STREET GARMENT



S.S. CABINET FOR BLISTER CHANGE PART / STRIP CH PART / POLYBAG



S.S. VISITOR APRON CABINET



S.S. CABINET FOR MULTIMILL SIEVES



S.S. WRITING DESK WITH DRAWERS



S.S. II CHANGE CROSS OVER BENCH



S.S. DIES & PUNCHES CABINET

SINCE 2009



SHREE SAI ENGINEERING COMPANY

ISO-9001-2015 CERTIFY COMPANY

Manufacturer & Supplier: -

- Pharmaceutical Formulation Process Equipments
- Pharma Stainless Steel Accessories
- Pharma S.S. Clean Room Equipments
- Blister Pack Change Parts & Spares
- Packing Conveyor/SS Wire Mesh Belts
- Food Grade Silicone Gaskets/Tubes
- T. C. Fitting & Pipe Fittings Spares
- Pharma Stirrers
- Pharma Castor Wheels
- Pharma Machinery Sieves & Screens
- Pharma Filter Bags
- Pharma Air Filters/Hepa Filters
- Pharma Magnetic Grills
- Pharma Toggle Clamps
- Pharma Air Curtains/PVC Strip Curtains
- Pharma Equipments Cleaning Brushes
- Pharma Machinery Spares & Many More



📍 **Factory & Regd. :** A/16, Global Industrial Park, Survey No. 26/2, Near Nahuli
Railway Crossing, Off N. H. No. 48, Valvada-Vapi, Dist. Valsad-396 105. Gujarat, India.

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